



# World Book Classroom Science Power

*Science Power* is an engaging and visually rich supplemental science site for the upper elementary grades. The site is correlated to popular science textbooks as well as state/provincial standards, and includes differentiated versions of the lesson text for struggling readers. With interactive multimedia, teacher guides, and a test for each lesson, *Science Power* is ideal for use in the classroom, at home, in public libraries for homework help, as well as for differentiated instruction or intervention use.

The screenshot shows the homepage of the World Book Classroom Science Power website. At the top, there is a navigation bar with the 'WORLD BOOK Classroom' logo and links for 'Welcome!', 'Help', 'Student Sign In', and 'Switch Site'. Below the navigation bar is a large banner with the title 'Science Power' in green and blue text, accompanied by a rainbow graphic. The main content area is divided into several sections:

- Lessons:** A section titled 'Search by topic' featuring six circular icons for 'Living Things', 'Ecosystems', 'Earth', 'Weather & Space', 'Matter', and 'Forces & Energy'. Below this is a 'Search by curriculum standard' section with dropdown menus for 'State or province', 'Select your grade' (set to 4), and a 'GO' button. To the right is a 'Search by textbook' section with dropdown menus for 'Textbook', 'Select your grade' (set to 4), and a 'GO' button.
- Science News:** A section dated 'December 6, 2010' with three headlines: 'Scientists say on way to solving anti-matter mystery', 'SpaceX tests rocket ahead of Tuesday launch', and 'Crash hurts Russia satellite challenge to U.S. GPS'.
- Featured Scientist:** A section featuring 'Nicolaus Copernicus (1473-1543)' with a portrait and text describing him as a Polish astronomer known for explaining that Earth is a spinning planet that travels around the sun. A link for 'More Featured Scientists' is provided.
- Science Lab:** A section on the right with a list of activities: 'Experiments', 'Extension Activities', 'Critical Thinking', and 'Graphic Organizers', accompanied by an image of laboratory glassware.
- Ask a Scientist:** A section featuring a video of a man in a red shirt standing in a field, with a 'More Ask a Scientist' link below.

## Key features

- Lessons covering all science curriculum topics, with highlighted vocabulary, rich multimedia, custom-made animations, and review questions
- Differentiated versions of the lessons written at a lower reading level for struggling readers
- Science experiments that can be completed at home or at school, with videos demonstrating their concepts
- Interactive quizzes to review the lesson content and vocabulary
- Critical thinking questions that prompt students to apply what they've learned to new ideas
- Extension activities to challenge advanced readers with assignments that extend the content of the lessons
- Tests that check student comprehension, with tracked results for the teacher
- Links to explore further related content in the World Book Web and in editor-selected external websites
- Teachers' guides and student study guides provided for every lesson
- Text-to-speech feature

FOR MORE INFORMATION, CONTACT:

WWW.WORLDBOOKONLINE.COM/SALES

**WORLD BOOK Classroom** Home | Teacher Center | Switch Site

# Science Power

> Animal Behavior

### Lesson

- Vocabulary **START HERE**
- Introduction
- Instincts
- Instincts and Survival
- How Instincts Work
- Instincts and the Environment
- Driven by Instinct
- Review

Download lesson as podcast [MP3]

View textbook standards

View state or provincial standards

### Extension Activity

- Explore and compare the behaviors of three kinds of animals: birds, dogs, and human beings.
- Download the chart for the activity.

### Experiment

- Observe the instincts of an earthworm.

### Quizzes

How much do you know?

- Vocabulary Quiz
- Interactive Quiz

### Critical Thinking

Pick your brain with these critical thinking questions!

### Explore More

- World Book Kids
- World Book Student
- World Book Discover
- For Kids
- Info Finder
- Living Green
- Other websites

Access all of a lesson's content through its home page. Its easily navigable design and multimedia tie together the different methods for learning in a student- and educator-friendly presentation.

**"Science Power from the World Book Classroom is another success. It captures required topics and brings in multimedia presentations to interest students. Keeping all students actively learning ultimately brings higher test scores and more successful classrooms."**

**REPORT CARD  
Installation A  
Content/Features A  
Ease of Use A  
Product Support A**

Internet @ Schools  
January/ February 2011

View animations, illustrative photos and videos, and quick comprehension checks on every page of the lesson.

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## Instincts and Survival

Animals could not survive without their instincts. Instincts ensure that an animal knows all the behaviors it needs to survive.

Many spiders could not catch insects without their webs. The instinct to build webs saves spiders from starving. Mice avoid areas that smell like cats. They avoid these areas even if they have never seen a cat. No one teaches mice to fear cats. This fear is an instinct that helps mice avoid being eaten.

Click Here to watch the spider build a web.

A spider uses instinct to build a web.  
WORLD BOOK animation

**Main Idea Check**

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## How Instincts Work

Instincts often are triggered by something in an animal's surroundings. For example, a young goose hatches from an egg. It follows the first moving object it sees. This object is usually the goose's mother. Following its mother is an instinct that helps the goose to survive.

A young goose sometimes sees a person instead of its mother. The goose will treat the person as its mother for the rest of its life. This is called an imprinted instinct. Animals usually

Chicks follow their mother by instinct.  
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